

EXHIBIT 28

(Part 2)

**Transformer Repair Invoices and Documents
for Ameren (Excerpts)**

S. O. No. 64373		Name No. Utilities	Address	Cape
Order No. 47153		Date Received 6-13-72	Date Finished	Date Delivered 6/13/72
Inv. No. 19848 TRANSFORMER CARD — Missouri Electric Works, Inc. — Cape Girardeau, Missouri Memo No. 345				
Name Plate Data		WINDING — PARTS — DATA		
Make	Whse.	Volts	High Side	Low Side
K. V. A.	25		4160	120/240
Type	CSP	Turns		
Form		Size Wire		
Style	39200X25LDL	Wire Par		
Spec.		Notes:		
Model		Co. No. A/C 6194		
Serial No.	68E2950	Work to be done: Main fix. Replace H bushing; fill; assy; far, pick up & clean.		
Cycles	60			
Polarity				
Hangers				
Bushings, H. V.	one broke			
Bushings, L. V.	X			
Gals. Oil				
% Imp.				
Phase	1			

S. O. No. 64385		Name Continental Trans.	Address	Pompano Beach, Fla.	
Order No.		Date Received 6-14-72	Date Finished	Date Delivered 11-13-72	
Inv. No. 71130 TRANSFORMER CARD — Missouri Electric Works, Inc. — Cape Girardeau, Missouri Memo No. 345					
Name Plate Data		WINDING — PARTS — DATA			
Make	Moloney	Volts	High Side	Low Side	
K. V. A.	200		3980	230/460	
Type	HE	Turns			
Form		Size Wire			
Style		Wire Par			
Spec.		Notes: 2750W 4348-4264-4160-4056-3852			
Model		Co. No.			
Serial No.	472494	Work to be done: Complete removal of supply oil; assy; far, PXT.			
Cycles	60				
Polarity	+				
Hangers					
Bushings, H. V.					
Bushings, L. V.					
Gals. Oil	140				
% Imp.	3.3	3.3			
Phase	1				
(T-6087- 11-26-71)					

S. O. No. <u>64852</u>	Name <u>National Electric</u>	Address <u>St. Louis, Mo.</u>
Order No.	Date Received <u>8-8-72</u>	Date Finished
Inv. No. <u>70479</u>	TRANSFORMER CARD — Missouri Electric Works, Inc. — Cape Girardeau, Missouri Memo No. <u>truck</u>	
Name Plate Data		
Make <u>plating transformer</u>	WINDING — PARTS — DATA	
K. V. A.	High Side	Low Side
Type	Volts	
Form	Turns	
Style	Size Wire	
Spec.	Wire Par	
Model	Notes: <u>Repaired 1 leg - paper & Kitecar</u>	
Serial No.	Co. No.	
Cycles	Work to be done: <u>Repaired one primary repair</u>	
Polarity	<u>Both secondary windings; special clips back</u>	
Hangers	<u>Clamp; assembly test.</u>	
Bushings, H. V.		
Bushings, L. V.		
Gals. Oil		
% Imp.		
Phase		

S. O. No. <u>64854</u>	Name <u>Motor Utilities</u>	Address <u>Cape</u>
Order No. <u>47633</u>	Date Received <u>8-8-72</u>	Date Finished
Inv. No. <u>70384</u>	TRANSFORMER CARD — Missouri Electric Works, Inc. — Cape Girardeau, Missouri Memo No. <u>1172</u>	
Name Plate Data		
Make <u>Wagner</u>	WINDING — PARTS — DATA	
K. V. A. <u>75</u>	High Side	Low Side
Type <u>HK</u>	7200	<u>2407480</u>
Form	Volts	
Style	Turns	
Spec.	Size Wire	
Model	Wire Par	
Serial No. <u>5R48001</u>	Notes:	
Cycles <u>60</u>	Co. No.	
Polarity <u>add</u>	Work to be done: <u>Remove lid, drain oil, flush coil, fill with new oil, test; put.</u>	
Hangers <u>N</u>		
Bushings, H. V. <u>ok</u>		
Bushings, L. V. <u>ok</u>		
Gals. Oil <u>28</u>		
% Imp. <u>1.9</u>		
Phase <u>1</u>		

S. O. No. 66175	Name MISSOURI UTILITIES	Address Cape
Order No. 50120	Date Received 5-24-73	Date Finished
Inv. No. 72168 TRANSFORMER CARD — Missouri Electric Works, Inc. — Cape Girardeau, Missouri		Memo No. 3007
Name Plate Data		
Make Westinghouse	WINDING — PARTS — DATA	
K. V. A. 167	High Side	Low Side
Type	Volts 4160/3000/12480	224 277
Form	Turns	
Style AF.852A67AA1	Size Wire	
Spec.	Wire Par	
Model	Notes: Hole in tank.	
Serial No. 69F1281	Co. No. AC 5316	
Cycles 60	Work to be done: Neomagatic core, test it, repair tank; replace cushion cap, fill with mineral oil; test, pass.	
Polarity sub.		
Hangers		
Bushings, H. V.		
Bushings, L. V.		
Gals. Oil		
% Imp.		
Phase 1		

S. O. No. 66300	Name Giles Armature	Address Marion, Ill.
Order No. 57576	Date Received 6-10-73	Date Finished
Inv. No. 72410 TRANSFORMER CARD — Missouri Electric Works, Inc. — Cape Girardeau, Missouri		Memo No. 3008
Name Plate Data		
Make Muller	WINDING — PARTS — DATA	
K. V. A. 513	High Side	Low Side
Type 4972	Volts 239460	295-0-295
Form	Turns	
Style	Size Wire	
Spec.	Wire Par	
Model	Notes:	
Serial No. 65463	Co. No. #0386	
Cycles 60	Work to be done: Complete repair, dry tank, repair tank.	
Polarity		
Hangers		
Bushings, H. V.		
Bushings, L. V.		
Gals. Oil		
% Imp.		
Phase 1		

SENATH, MO

INMAN

S. O. No. 707493 Name MISSOURI UTILITIES Address
Order No. 63403 Date Received 6 APRIL 78 Date Finished Date Delivered 4-21-78
Inv. No. 86303 TRANSFORMER CARD — Missouri Electric Works, Inc. — Cape Girardeau, Missouri Memo No.

Name Plate Data		WINDING — PARTS — DATA		
Make	ALLIS CHALMERS	Volts	High Side	Low Side
K. V. A.	250	Turns	13800	2400/4160Y
Type	OISC	Size Wire		
Form		Wire Par		
Style				
Spec.				
Model				
Serial No.	2598380	Notes:	TAPS: 2 250/0 AN & BN	
Cycles	60	Co. No.	92	
Polarity	SUB	Work to be done:	DISMANTLE TRANSFORMER — CLEAN &	
Hangers			BAKE CORE & COIL — CLEAN INSIDE OF TANK	
Bushings, H. V.			— SUPPLY NEW OIL — CLEAN BUSHINGS —	
Bushings, L. V.			— SUPPLY NEW GASKETS —	
Gals. Oil	169		ASSEMBLE — TEST — PAINT	
% Imp.	3.8			
Phase	1			
WT. 4000 Lb				

703 W. Stockton

S. O. No. 70751 Name G. J. Matriscia Address Marion IL 62959
Order No. Date Received 4-19-78 Date Finished Date Delivered 4-24-78
Inv. No. 86394 TRANSFORMER CARD — Missouri Electric Works, Inc. — Cape Girardeau, Missouri Memo No. (146)

Name Plate Data		WINDING — PARTS — DATA		
Make	KIRSEY	Volts	High Side	Low Side
K. V. A.	12	Turns	340/480	120
Type	DRY	Size Wire		
Form		Wire/Par		
Style				
Spec.				
Model	S-500	Notes:	TAP 3 + 10% TAP 3 + 10%	
Serial No.	N/P	Co. No.	G-1583	
Cycles	60	Work to be done:	COMPLETE REWIND — INSTALL	
Polarity			NEW KIRSEY PRI TAP B-120 — NEW SECONDARY	
Hangers			TAP ADJUST WITH HYGRO-MATE — SPECIAL N/P	
Bushings, H. V.			BAKE — TEST	
Bushings, L. V.				
Gals. Oil				
% Imp.				
Phase	3			
WT. 4000 Lb				

INVOICE

MISSOURI ELECTRIC WORKS INC.

MOTORS
TRANSFORMERS
POWER EQUIPMENT
REWINDINGS SALES
P.O. BOX 662

Service

Phone 335-6603

CAPE
GIRARDEAU
MISSOURI
63701

TO: Missouri Utilities Co.
400 Broadway
Cape Girardeau, MO. 63701

INVOICE NO. 52657

YOUR ORDER NO. 69936

EARNS \$ 496 BY DELIVERED BY 5505

OUR S.O. NO. 72657

PAYING THIS INVOICE IN
TEN DAYS. 30 DAYS NET.

DATE DELIVERED 7/18/80

INVOICE DATE 7/23/80

REPAIRS:

1 - 50 KVA Douser transformer, CD type, S/N 7701455903, 60 CTC, 1 f, 1.0%,
2400X7200 V to 240/480 V, no tape.

WORK DONE:

Dismantle, check & repair connections, replace 5 gal. oil, assemble, test, paint.

hr.	36.00
mi.	12.50
	<u>48.50</u>
tax	.58
	<u>49.08</u>

TOTAL INVOICE: \$ 49.08

CA002547

DATE	INITIALS	TIME	UNION	175
4-11-DP-4	drain + clean			
✓-LR-1	disavol.			
✓-LR-4	check oil + tank.			
✓-JW-3	chain 4000			
-12-5K-1	me up + 1 to connect			
-DP-1½	insulate lead wires.			
	Send			
-4-12-5-drain	0:1 + fill + break + connect fix leads.			
-JW-4	reconnect.			
-DP-2½	wipe out + fill + tank -			
✓-JW-6	other oil - spray connect off 1-1.			
1-14-300 - 13½	Send off because fill w/0:1 + a 1/8" silicon bolts.			
-DP-4	fill w/0:1			
-LR-5½	assb - pull silicon - pointer			
1-5-5W	5 - you. fastest fire trap cleanin - rewire + pull on - paint			
	120000			